a5 cont.

4. The crystal oscillator as claimed in claim 1, wherein the insulating resin layer disposed upon the supporting part of the quartz blank extends along an entire top surface and entire side faces of the supporting part of the quartz blank.

5. The crystal oscillator as claimed in claim 1, wherein the insulating resin layer disposed upon the supporting part of the quartz blank partially covers a top surface and each of side faces of the supporting part of the quartz blank.

7. A quartz blank for use in a crystal oscillator with improved shock resistance, comprising:

a supporting part;

a pair of connecting parts longitudinally extended from the supporting part; and

a pair of bridge parts each longitudinally extending from one of the connecting parts;

wherein a width of each of the connecting parts is greater than a width of each of the bridge parts;

wherein an outer longitudinal edge of each of the connecting parts consists of a parallel section which is straightly extended from an outer longitudinal edge of the supporting part and a slant section slanted with respect to an outer longitudinal edge of the bridge part.

8. The quartz blank as claimed in claim 7, wherein a length of the bridge parts is extended in proportion to a length of the connecting parts.

9. The quartz blank as claimed in claim 8, wherein a ratio of the length of the connecting parts to the extended length of the bridge parts is about 2 . 5 ~ 3 . 0 : 1.

10. The quartz blank as claimed in claim 7, wherein the bridge parts have the width of about 1/8 ~ 1/9 of a length of the connecting parts.

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11. A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein, and a conductive adhesive spread on the supporting protuberances;

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a quartz blank consisting of: i) a supporting part being bonded onto the supporting protuberances by the conductive adhesive; ii) a pair of connecting parts longitudinally extending from the supporting part; and iii) a pair of bridge parts each longitudinally extending from one of the connecting parts;

a cover being secured to the housing and positioned upon the quartz blank; and

an insulating resin layer for elastically pressing down the conductive adhesive between the quartz blank and the supporting protuberances;

wherein a width of each of the connecting parts is greater than a width of the respective bridge part;

wherein an inside longitudinal edge of each of the connecting parts is straightly aligned with an inside longitudinal edge of the respective bridge part; and

wherein an outer longitudinal edge of each of the connecting parts consists of a parallel section which is straightly extended from an outer longitudinal edge of the supporting part and a slant section slanted with respect to an outer longitudinal edge of the respective bridge part.

Please add new claims as follows:

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--12. A crystal oscillator with improved shock resistance, comprising:

an oscillator housing with a pair of supporting protuberances formed therein;

a conductive adhesive being spread on the supporting protuberances;

a quartz blank having a supporting part bonded, via the conductive adhesive, on the supporting protuberances;

a cover secured to the housing and positioned upon the quartz blank;

an insulating resin layer placed between side walls of the housing and the supporting part of the quartz blank;

wherein the insulating resin layer is not present between the cover and a top surface of the supporting part of the quartz blank.

13. The quartz blank of claim 7, wherein an inner longitudinal edge of each of the connecting parts straightly extends from an inner longitudinal edge of the respective bridge part and is parallel with the parallel section of the outer longitudinal edge of said connecting part.

14. The quartz blank of claim 13, wherein the width of each of the bridge parts is substantially constant along an entire longitudinal extent thereof.

15. The quartz blank of claim 14, wherein the constant width of each of the bridge parts is about 1/8 ~ 1/9 of an entire longitudinal extent of the inner longitudinal edge of the respective connecting part.

16. The oscillator of claim 11, wherein the width of each of the bridge parts is substantially constant along an entire longitudinal extent thereof.

17. The oscillator of claim 1, wherein the cover and the housing together define a closed space, and all of the supporting protuberances, the conductive adhesive, the quartz blank, and the insulating resin layer are completely disposed within said closed spaced.

18. The oscillator of claim 12, wherein the cover and the housing together define a closed space, and all of the supporting protuberances, the conductive adhesive, the quartz blank, and the insulating resin layer are completely disposed within said closed spaced. --